

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Declaration Submitted with Initial Filing

OR

Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number

SEAG 49243

First Named Inventor

Dmitri Litvinov et al.

**COMPLETE IF KNOWN**

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named Inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PERPENDICULAR MAGNETIC RECORDING HEAD FOR IMPROVED RESOLUTION

(Title of the Invention)

the specification of which

 is attached hereto

OR

 was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

Direct all correspondence to:  Customer Number  
or Bar Code Label   OR  Correspondence address below

Name	Benjamin T. Queen, II Pietragallo, Bosick & Gordon		
Address	One Oxford Centre, 38th Floor, 301 Grant Street		
City	Pittsburgh	State	PA ZIP 15219
Country	U.S.A.	Telephone	412 - 263-4360 Fax 412 - 261-0915

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

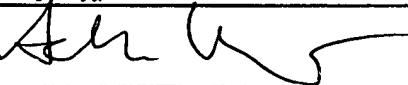
NAME OF SOLE OR FIRST INVENTOR:  A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Dmitri	Family Name or Surname	Litvinov
Inventor's Signature			Date 12/13/01
Residence: City	Pittsburgh	State	PA ZIP 15217
Country	U.S.A.	Citizenship	Ukraine

Mailing Address 5463 Wilkins Avenue

City	Pittsburgh	State	PA ZIP 15217	Country	U.S.A.
------	------------	-------	--------------	---------	--------

NAME OF SECOND INVENTOR:  A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Sakhrat	Family Name or Surname	Khizroev
Inventor's Signature			Date 12/13/01
Residence: City	Pittsburgh	State	PA ZIP 15217
Country	U.S.A.	Citizenship	Russia

Mailing Address 6380 Caton Street

City	Pittsburgh	State	PA ZIP 15217	Country	U.S.A.
------	------------	-------	--------------	---------	--------

Additional inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box → **[+]**

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	Dmitri Litvinov et al.
Title	PERPENDICULAR MAGNETIC*
Group Art Unit	
Examiner Name	
Attorney Docket Number	SEAG 49243

### \* RECORDING HEAD FOR IMPROVED RESOLUTION

I hereby appoint:

Practitioners at Customer Number  
AND

29694

Place Customer  
Number Bar Code  
Label here

Practitioner(s) named below:

Derek J. Berger, Reg. No. 45,401; Carol I. Bordas, Reg. No. 37,284;  
Kirk A. Cesari, Reg. No. P-47,479; Shawn B. Dempster, Reg. No. 34,321;  
Paul T. Dietz, Reg. No. 38,858; Raghunath Minisandram, Reg. No. 38,683;  
and Jonathan E. Olson, Reg. No. 41,231, and of Seagate Technology LLC  
as attorneys and/or patent agents with the full power to represent the  
applicant in connection with this application.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

OR

Practitioners at Customer Number

→

Place Customer  
Number Bar Code  
Label here

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Benjamin T. Queen, II			
Address	Pietragallo, Bosick & Gordon			
Address	One Oxford Centre, 38th Floor, 301 Grant Street			
City	Pittsburgh	State	PA	Zip 15219
Country	USA			
Telephone	412 - 263-4360	Fax	412 - 261-0915	

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name	Carol I. Bordas
Signature	<i>Carol I. Bordas</i>
Date	12/13/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Dmitri Litvinov et al. Filed Concurrent  
Herewith  
 Application No./Patent No.: \_\_\_\_\_ Filed/Issue Date: \_\_\_\_\_  
 Entitled: PERPENDICULAR MAGNETIC RECORDING HEAD FOR IMPROVED RESOLUTION  
Seagate Technology LLC, a Limited Liability Company  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

In the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

12/13/01  
Date

Carol I. Bordas, Reg. No. 37,284

Carol I. Bordas  
Typed or printed name  
IP DIVISION COUNSEL  
Signature  
Title